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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,952	03/23/2004	Brent A. McClure	1999-1337.01/US 4079	
75	7590 05/03/2005		EXAMINER	
Kevin D. Martin			WOJCIECHOWICZ, EDWARD JOSEPH	
Micron Technology, Inc. MS 1-525			ART UNIT	PAPER NUMBER
8000 S. Federal Way Boise, ID 83716			2815	
			DATE MAILED: 05/03/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		A:N				
	Application No.	Applicant(s)				
	10/807,952	MCCLURE, BRENT A.				
Office Action Summary	Examiner	Art Unit				
	Edward Wojciechowicz	2815				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	a6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
,	action is non-final.					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4) Claim(s) <u>1-12</u> is/are pending in the application.	☑ Claim(s) <u>1-12</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) is/are allowed.					
Claim(s) <u>1-12</u> is/are rejected.						
· · · · · · · · · · · · · · · · · · ·						
	r election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
11) I he oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action of form P10-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori	s have been received. s have been received in Applicati	ion No				
application from the International Bureau	ı (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)</li> </ul>	Paper No(s)/Mail Di	ate Patent Application (PTO-152)				
Paper No(s)/Mail Date <u>3-23-04, 1-3-05</u> .	6) Other:					

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 is dependent on non-existent claim 18.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1, 2, and 6-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Tang et al (6,507,064). The reference to Tang appears to show all of the structural features of the invention. For example, as shown in Fig. 9 of Tang, there is formed a semiconductor wafer having doped areas (not shown in the Figure) contact pads(34) and (38) which are coupled to the doped areas, a digit line contact plug (62) with an upper surface farther away from the substrate than the lower surface which contacts

contact pad (38), and a capacitor storage node (82) with a lower surface and an upper surface and where the upper surface is at least as far from the substrate as the digit line contact plug. In addition, tang shows a second contact plug (106) which contacts the upper surface of the first contact plug, and is interposed between the first and second capacitor top plates (94). This second contact plug also has a conductive runner (104) over the first and second capacitor storage plates.

With regard to the recitation of a spacer (claim 12) which insulates the capacitor top plate from the second portion of the digit line contact, the part of the insulating layer (102) which is positioned between the top plate (94) and the second portion of the digit line contact (106), would meet this limitation.

The applied reference has a common Assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2815

Edward Wojciechowicz
Primary Examiner
Art Unit 2815

C. Mywerk

EW: ew